QC ABSTRACT

Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward

Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
Materials					
	BLOCK DENSITY	One Test		1	1
	WATER ABSORPTION	One Test		1	1
	DIMENSION ANALYSIS	One Test		1	1
	COMPRESSIVE STRENGTH	One Test		1	1
	Compressive Strength(7days and 28days)	3 Set		6	6
	Water Absorption	One Test		1	1
	Specific Gravity	One Test		1	1
	Material finer than 75 micron	One Test		1	1
	Compacted Bulk Density	One Test		1	1
	Loose Bulk Density	One Test		1	1
	SIEVE ANALYSIS	One Test		1	1
	Water Absorption	One Test		1	1
	Specific Gravity	One Test		1	1
	Material finer than 75 micron	One Test		1	1
	SIEVE ANALYSIS	One Test		1	1

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2022-05-21-14** **Date: 14-04-22**
Project Name	:	Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05
Agency	:	Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Customer's Reference	:	EE(Project)/Ynk Zone/WO/05/2021-22
Date of Receipt	:	11-04-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of Test	:	12-04-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.15	–
2	Fineness by Air permeablity method (m^2/kg,Min)	282.2	225m^2/kg, Min
3	Density (gm/cc)	3.15	–
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	185 minutes	Not less than 30 minutes
6	Final Setting time	270 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

**The results obtained are satisfactory as per standard requirements.

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

	:	**CP-2022-05-21-14** **Date: 10-05-22**
	:	Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05
	:	Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
	:	EE(Project)/Ynk Zone/WO/05/2021-22
	:	11-04-22
	:	Birla Super 53grade
	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
	:	12-04-22
	:	Temperature: 26°C Humidity: 72%

Compressive Strength		
Physical properties	**Results**	**Requirement as per IS 12269: 2013**
3 Days	28.5N/mm^2	Not less than 27 N/mm^2
7 Days	39.0N/mm^2	Not less than 37 N/mm^2
28 Days	58.5N/mm^2	Not less than 53 N/mm^2

satisfactory as per standard requirements.

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Quality Manager

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2022-05-21-14 **Date: 14-04-22**
Project Name	:	Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05
Agency	:	Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Customer Reference	:	EE(Project)/Ynk Zone/WO/05/2021-22
Date of Receipt	:	11-04-22
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of Test	:	11-04-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : **5000 grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
	40 mm	0	0	0	100	100
	20 mm	159	159	3.2	96.8	90-100
	10 mm	2541	2700	54.0	46.0	25-55
	4.75 mm	2117	4817	96.3	3.7	0-10
	Pan	183	5000	100	0	–

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2022-05-21-14 Date: 14-04-22

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.6	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	14.8	
3	Specific Gravity	2.62	_
4	Bulk Density(Loose) (Kg/l)	1.50	_
5	Bulk Density(Compacted) (Kg/l)	1.55	_
6	Water Absorption(%)	0.28	_
7	Aggregate crushing Value(%)	26.6	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	24.3	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

*The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2022-05-21-14** **Date: 14-04-22**

Project Name : Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05

Agency : Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60

Customer's Reference : EE(Project)/Ynk Zone/WO/05/2021-22

Date of Receipt : 11-04-22

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of Test : 11-04-22

Total weight taken : 1000 grams

Sl No	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result : The tested **Sample Conforms to Grading Zone II**

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TEST REPORT OF FINE AGGREGATE

: CP-2022-05-21-14

Date: 14-04-22

PHYSICAL PROPERTIES

Tests	Result	Requirements as per IS 383:2016
Water Absorption(%)	1.5	–
Specific Gravity	2.59	–
Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

The results obtained are satisfactory as per standard requirements.

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Quality Manager

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TEST REPORT FOR SAND MASONRY MORTARS

Lab ID	:	**CP-2022-05-21-14** **Date: 14-04-22**
Project Name	:	Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05
Agency	:	Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Customer's Reference	:	EE(Project)/Ynk Zone/WO/05/2021-22
Date of Receipt	:	11-04-22
Sample Type	:	Fine Aggregate, M.Sand for Mortar
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	11-04-22
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	80	80	8	92	90-100
3	1.18 mm	195	275	27.5	72.5	70-100
4	600 micron	135	410	41.0	59.0	40-100
5	300 micron	115	525	52.5	47.5	5-70
6	150 micron	395	920	92.0	8.0	0-15
7	Pan	80	1000	100.0	0.0	0

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TEST REPORT FOR SAND MASONRY MORTARS

: CP-2022-05-21-14 Date: 14-04-22

PHYSICAL PROPERTIES

	Tests	Result	Requirements as per IS 383:2016
	Water Absorption(%)	3.16	–
	Specific Gravity	2.52	–
	Material finer than 75 micron(%)	12.4	Crushed Fine aggregate Max 15%
	Compacted Bulk Density (Kg/litre)	1.80	–
	Loose Bulk Density (Kg/litre)	1.75	–

The results obtained are satisfactory as per standard requirements.

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TEST REPORT FOR PLASTER SAND

Lab ID	:	CP-2022-05-21-14 **Date: 25-04-22**
Project Name	:	Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05
Agency	:	Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Customer's Reference	:	EE(Project)/Ynk Zone/WO/05/2021-22
Date of Receipt	:	21-04-22
Sample Type	:	Plaster Sand
Reference to BIS codes	:	IS: 383 : 2016 (Specification for Coarse and fine Aggregates) IS1542:1992 (RA 2019) (Sand for Plaster - Specification) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	21-04-22
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 1542:1992
1	10 mm	0	0	0	100	100
2	4.75 mm	35	35	3.5	96.5	95-100
3	2.36 mm	15	50	5	95	95-100
4	1.18 mm	50	100	10	90	90-100
5	600 micron	100	200	20	80	80-100
6	300 micron	215	415	41.5	58.5	20-65
7	150 micron	500	915	91.5	8.5	0-15
8	Pan	85	1000	100	0	---

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TEST REPORT OF FINE AGGREGATE

Case ID : CP-2022-05-21-14 Date: 25-04-22

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.8	–
2	Specific Gravity	2.56	–
3	Material finer than 75 micron(%)	8.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

*The results obtained are satisfactory as per standard requirements.

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Quality Manager

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TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Date: 16-04-22

Lab ID	:	CP-2022-05-21-14
Project Name	:	Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05
Agency	:	Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Customer's Reference	:	EE(Project)/Ynk Zone/WO/05/2021-22
Date of Receipt	:	11-04-22
Sample Type/Size	:	Solid concrete blocks size (400X200X200)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2020) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	11-04-22

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	404	203	199	16320	31.226	1913.3	2012.0	Not less than 1800Kg/m^3
2	400	202	200	16160	33.890	2097.2		
3	400	198	202	15998	32.403	2025.4		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.24	4.93	4.40	Shall not be more than 10% by mass
2	33.57	32.01	4.65		
3	33.44	32.23	3.62		

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Lab ID : CP-2022-05-21-14 Date: 16-04-22

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	400	199	201	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	401	200	200	
3	402	200	202	
4	403	200	199	
5	399	200	202	
6	403	200	200	
7	403	202	199	
8	404	200	199	
9	401	202	199	
10	400	202	200	
11	400	199	203	
12	400	201	202	
13	400	200	201	
14	401	201	199	
15	400	199	203	
16	404	202	203	
17	400	202	203	
18	402	202	203	
19	399	202	202	
20	399	202	200	
Average of 20	**401**	**201**	**201**	

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Lab ID : CP-2022-05-21-14 Date: 16-04-22

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	400	199	79753	419.0	5.3	5.1
2	401	200	80162	411.3	5.1	
3	402	200	80325	402.3	5.0	
4	403	200	80708	400.9	5.0	
5	399	200	79790	400.0	5.0	
6	403	200	80436	413.3	5.1	
7	403	202	81148	414.0	5.1	
8	404	200	80566	407.7	5.1	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

** The Results Obtained are Satisfactory as per Standard Requirements

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 25/04/2022

: CP-2022-05-21-14

: Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05

: Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60

: EE(Project)/Ynk Zone/WO/05/2021-22

: 20-04-22

: Coping Concrete South Side

: 150X150X150 mm

: M15 / 7 Days Compressive Strength

: IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

: 25/04/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Coping Concrete South Side	M15	18/04/2022	25/04/2022	149.42 X 151.91 X 149.91	22698	8.483	273.0	12.0	12.4
Coping Concrete South Side	M15	18/04/2022	25/04/2022	151.06 X 149.80 X 149.47	22629	9.073	293.6	13.0	
Coping Concrete South Side	M15	18/04/2022	25/04/2022	151.18 X 150.00 X 149.82	22677	8.186	279.9	12.3	

Results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-05-21-14 **Date: 16/05/2022**

: Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05

: Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60

: EE(Project)/Ynk Zone/WO/05/2021-22

: 20-04-22

: Coping Concrete South Side

: 150X150X150 mm

: M15 / 28 Days Compressive Strength

: IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

: 16/05/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Coping Concrete South Side	M15	18/04/2022	16/05/2022	151.33 X 149.72 X 149.36	22658	8.241	400.0	17.7	17.6
Coping Concrete South Side	M15	18/04/2022	16/05/2022	149.78 X 150.67 X 151.62	22568	8.840	399.9	17.7	
Coping Concrete South Side	M15	18/04/2022	16/05/2022	151.51 X 151.74 X 150.20	22991	8.124	399.4	17.4	

Results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-05-21-14 **Date: 30/04/2022**

Name : Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05

: Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60

's Reference : EE(Project)/Ynk Zone/WO/05/2021-22

Receipt : 25-04-22

ID : Coping Concrete East Side

Type /Size : 150X150X150 mm

grade/Age : M15 / 7 Days Compressive Strength

to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Test : 30/04/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Coping Concrete East Side	M15	23/04/2022	30/04/2022	150.94 X 149.21 X 151.15	22523	8.754	284.7	12.6	12.7
Coping Concrete East Side	M15	23/04/2022	30/04/2022	151.27 X 151.22 X 150.20	22875	8.804	295.4	12.9	
Coping Concrete East Side	M15	23/04/2022	30/04/2022	150.72 X 150.57 X 150.78	22693	8.314	287.4	12.7	

results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 21/05/2022

ID	:	CP-2022-05-21-14
ect Name	:	Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05
ner	:	Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
mer's Reference	:	EE(Project)/Ynk Zone/WO/05/2021-22
of Receipt	:	25-04-22
mer ID	:	Coping Concrete East Side
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M15 / 28 Days Compressive Strength
rence to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
of test	:	21/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Coping Concrete East Side	M15	23/04/2022	21/05/2022	150.15 X 150.48 X 151.75	22595	8.101	388.9	17.2	17.3
2	Coping Concrete East Side	M15	23/04/2022	21/05/2022	150.16 X 149.36 X 150.21	22429	8.730	382.8	17.1	
3	Coping Concrete East Side	M15	23/04/2022	21/05/2022	149.97 X 149.98 X 151.46	22492	8.544	396.8	17.6	

The results obtained are satisfactory as per standard requirements.

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 05/05/2022

ID	:	CP-2022-05-21-14
ject Name	:	Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05
ncy	:	Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
mmer's Reference	:	EE(Project)/Ynk Zone/WO/05/2021-22
e of Receipt	:	02-05-22
mmer ID	:	Coping Concrete North Side
mple Type /Size	:	150X150X150 mm
mple grade/Age	:	M15 / 7 Days Compressive Strength
ference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
te of test	:	05/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Coping Concrete North Side	M15	28/04/2022	05/05/2022	151.77 X 151.72 X 151.74	23027	8.140	288.7	12.5	12.5
2	Coping Concrete North Side	M15	28/04/2022	05/05/2022	149.91 X 151.39 X 149.90	22694	8.827	272.9	12.0	
3	Coping Concrete North Side	M15	28/04/2022	05/05/2022	151.85 X 151.40 X 151.70	22991	8.489	296.8	12.9	

The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	**CP-2022-05-21-14** **Date: 26/05/2022**
ect Name	:	Maintenance and Repair Works at Primary Health Center at Agrahara Layout in Ward No. 05
ess	:	Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
mer's Reference	:	EE(Project)/Ynk Zone/WO/05/2021-22
of Receipt	:	02-05-22
men ID	:	Coping Concrete North Side
e Type /Size	:	150X150X150 mm
e grade/Age	:	M15 / 28 Days Compressive Strength
ence to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
of test	:	26/05/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
Coping Concrete North Side	M15	28/04/2022	26/05/2022	149.51 X 149.31 X 149.95	22322	8.994	387.3	17.3	17.4
Coping Concrete North Side	M15	28/04/2022	26/05/2022	151.45 X 151.87 X 149.03	23001	8.554	398.1	17.3	
Coping Concrete North Side	M15	28/04/2022	26/05/2022	151.42 X 151.88 X 149.56	22999	8.650	402.7	17.5	

sults obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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